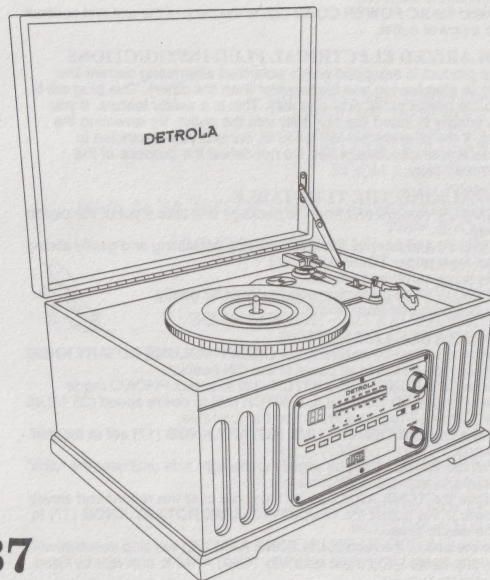


DETROLA



MODEL: KM837
INSTRUCTION MANUAL

IMPORTANT SAFETY INSTRUCTION

PLEASE READ CAREFULLY ALL THE FOLLOWING

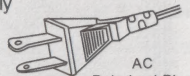
IMPORTANT SAFEGUARDS

THAT ARE APPLICABLE TO YOUR EQUIPMENT

1. Read Instructions - All the safety and operating instructions should be read before the product is operated.
2. Retain instructions - The safety and operating instructions should be retained for future reference.
3. Heed Warnings - All warnings on the product and in the operating Instructions should be adhered to.
4. Follow Instructions - All operating and use instructions should be followed.
5. Cleaning - Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
6. Attachments - Do not use attachments not recommended by the product manufacturer as they may cause hazards.
7. Water and Moisture - Do not use this product near water - for example, near a bath tub, wash bowl, kitchen sink, or laundry tub; in a wet basement; or near a swimming pool; and the like.
8. A product and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the product and cart combination to overturn.
9. Ventilation - Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the product and to protect it from overheating, and these openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug, or other similar surface. This product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to.



10. Power Sources - This product should be operated only from the type of power source indicated on the marking label, if you are not sure of the type of power supply to your home. Consult your product dealer or local power company. For products intended to operate from battery power, or other sources, refer to the operating instructions.
11. Grounding or Polarization - This product may be equipped with a polarized alternating-current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.
12. Power - Cord Protection - Power - supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the product.
13. Lightning - For added protection for this product during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the product due to lightning and power - line surges.
14. Power Lines - An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.



15. Overloading - Do not overload wall outlets, extension cords, or integral convenience receptacles as this can result in a risk of fire or electric shock.
16. Object and Liquid Entry - Never push objects of any kind into this product through openings as they may touch dangerous voltage points or short - out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.
17. Servicing - Do not attempt to service this product yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.
18. Damage Requiring Service - Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions;
 - a. When the power-supply cord or plug is damaged.
 - b. If liquid has been spilled, or objects have fallen into the product.
 - c. If the product has been exposed to rain or water.
 - d. If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to its normal operation.
 - e. If the product has been dropped or damaged in any way.
 - f. When the product exhibits a distinct change in performance - this indicates a need for service.
19. Replacement Parts - When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.

20. Safety Check - Upon completion of any service or repairs to this product, ask the service technician to perform safety checks to determine that the product is in proper operating condition.
21. Wall or ceiling Mounting - The product should be mounted to a wall or ceiling only as recommended by the manufacturer.
22. Heat - The product should be situated away from heat sources such as radiators. Heat registers, stoves, or other products (including amplifiers) that produce heat.

WARNING: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio TV technician for help.

POWER SOURCE

Unwind the **AC POWER CORD** (29) at the back of the unit and connect it to a power outlet.

POLARIZED ELECTRICAL PLUG INSTRUCTIONS

This product is equipped with a polarized alternating current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact you electrician to replace your obsolete outlet. Do not defeat the purpose of the polarized plug.

UNPACKING THE TURNTABLE

1. Carefully remove unit from its package and take it out of the plastic bag.
2. Open lid and remove black tie-wrap by untwisting and gently sliding out from under **TONE ARM** (22).
3. Remove cardboard shipper.
4. Remove white protective needle cover by gently pulling towards front of unit.



TURNTABLE OPERATION

Press the unit on by switching the **ON/OFF-VOLUME ROTARY KNOB** (17) located on the front panel to the ON position.

1. Select the **FUNCTION SWITCH** (16) to select PHONO mode
2. Set the **SPEED CONTROL SWITCH** (23) to desired speed (33 1/3, 45 or 78 rpm). Place the record on the turntable.
3. Adjust the **ON/OFF-VOLUME ROTARY KNOB** (17) set at the mid range.
4. Pull the **TONE ARM** (22) slightly to the right side until hear the "click" sound to activate the turntable.
5. Move the **TONE ARM** (22) by hand out over the record and slowly lower it. Re adjust the **ON/OFF-VOLUME ROTARY KNOB** (17) to the desired level.
6. At the end of the record, the **TONE ARM** (22) will stop automatically by the center. You must return to **TONE ARM** to arm rest by hand.

Accessory: ADAPTER FOR 45 RPM

TO PLAY THE 45RPM RECORD, PLACE THE **ADAPTER** (21) ON THE **SPINDLE** (20).

CASSETTE OPERATION

1. Select the **FUNCTION SWITCH** (16) to select Cassette mode
2. Insert a pre-recorded cassette tape into the tape slot, with the exposed piece of tape facing to the bottom, by pushing the cassette against the **CASSETTE DOOR** (27).

Note: One end of the cassette tape will remain visible.

3. Re-adjust the **ON/OFF-VOLUME ROTARY KNOB** (17) to suit your personal preference.
4. The cassette can be advanced in the fast forward mode, by depressing the **EJECT/F.F. BUTTON** (26) half-way in. Pushing the **EJECT/F.F. BUTTON** (26) again will stop the fast forward mode and return the tape mechanism to the play mode.
5. Depressing the **EJECT/F.F. BUTTON** (26) completely in, will eject the cassette from the unit. At this time, radio operation will resume.
6. When the tape reaches its end in the play mode, the cassette will automatically stop.

ANTENNA

For FM operation, the unit is provided with a wire. Move the wire until the reception is clear and with no interference. Do not connect external FM antenna to an outside antenna.

RADIO OPERATION

1. Select the **FUNCTION SWITCH** (16) to select RADIO mode.
2. Set the **AM/FM BAND SWITCH** (18) to the desired radio band (AM or FM).
3. Select the desired radio station by rotating **TURNING ROTARY KNOB** (4)
4. Adjust the **ON/OFF-VOLUME ROTARY KNOB** (17) to the desired sound level.
5. Antenna: for FM reception, the unit is provided with a **WIRE ANTENNA** (28), move the wire until the reception is clear and with no interferences. For AM reception, the unit is provided with a directional build-in ferrite antenna. Rotate the set to find the position in which the best reception is obtained. Do not connect the **EXTERNAL FM ANTENNA** (28) to any outside antenna.

CD OPERATION PLAYBACK

1. Select the **FUNCTION SWITCH** (16) to select CD mode.
2. Press the Push **OPEN/CLOSE BUTTON** (5) on the **CD DOOR** (15) to open the disc door. Place a disc on the tray with the labeled side facing out.
3. Close the **CD DOOR** (15), the display will show "—" for a few seconds, then the total number of tracks of the disc will be displayed. "00" will be shown when there is no disc inside the compartment.
4. Press the **PLAY/PAUSE BUTTON** (7) to start playback and the **PLAY MODE INDICATOR** (8) will be on.
5. Adjust the **ON/OFF-VOLUME ROTARY KNOB** (17) as desired.
6. To stop playback temporarily, press the **PLAY/PAUSE BUTTON** (7). The **PLAY MODE INDICATOR** (8) will flash. Press the **PLAY/PAUSE BUTTON** (7) again to resume playback.
7. To stop playback, press the **STOP BUTTON** (6) and the play mode indicator will be off.

SKIP FORWARD AND SKIP REVERSE

1. Press the **SKIP FORWARD** (14) or **skip reverse** (13) button to select a desired track.
2. Press the **PLAY/PAUSE BUTTON** (7) to start playback of the selected track.

SEARCH FORWARD AND REVERSE DURING PLAYBACK

1. Press the **F.SKIP BUTTON** (14) or **B.SKIP BUTTON** (13) and keep it pressed to search forward or backward for the desired point on the track.
2. Release the button at the desired point, playback will resume automatically.

REPEAT PLAYBACK

1. To select the single track repeat function, choose the track that you want to repeat, then press "**PLAY/PAUSE BUTTON**" (7) to play the track. Press the **REPEAT BUTTON** (11) once, to activate the single track repeat and the **REPEAT INDICATOR** (12) will flash.
2. To select the all tracks repeat function, Press the "**PLAY/PAUSE BUTTON**" (7) to start the track. Press the **REPEAT BUTTON** (11) twice, to activate the all tracks repeat function and the indicator (12) will remain on.
3. To erase the repeat function, press again the **REPEAT BUTTON** (11) until the indicator (12) is off or open the CD door.

PROGRAMMED PLAYBACK

1. Press the **PROGRAM BUTTON** (9). "01" will be shown on the display and the **PROGRAM INDICATOR** (10) will flash.
2. Press the **F.SKIP BUTTON** (14) or **B.SKIP BUTTON** (13) to make track selection.
3. Press the **PROGRAM BUTTON** (9) again to instore the selected track number.
4. Repeat steps 2 and 3 above to program other tracks.
5. Press the **PLAY/PAUSE BUTTON** (7) to start programmed playback and the program indicator will be on.
6. To erase the programmed sequence, press the **STOP BUTTON** (6) twice or until the **INDICATOR** (10) is off.

NOTE: Maximum of 20 tracks can be programmed to play in any order.

TROUBLE SHOOTING GUIDE

TURNTABLE

The unit does not operate.

- * The AC adapter is not well connected.
- * The unit is not turn on rotate the **VOLUME** knob from the OFF position past the "click" to turn on the unit.

No sound

- * The white protective needle cover was not removed.
- * The volume has not been turned up.
- * Pull the Tone Arm slightly to the right side to start up the turntable.

RADIO

No radio

- * The function switch is not in the correct position. Turn function switch insert to **RADIO**.
- * Adjust the **VOLUME** knob.
- * Rotate the **TUNING** knob to find a radio station.

CASSETTE TAPE

Cassette tape cannot be inserted

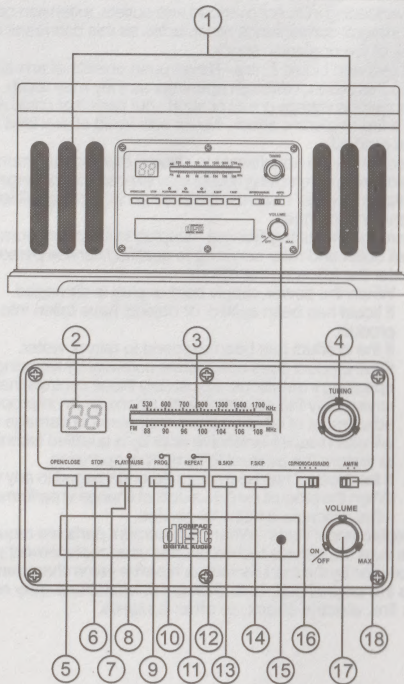
- * The cassette tape is inserted in the wrong position.

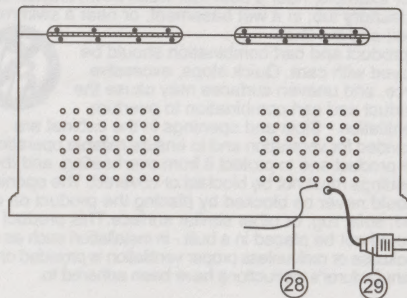
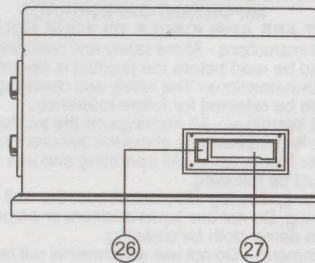
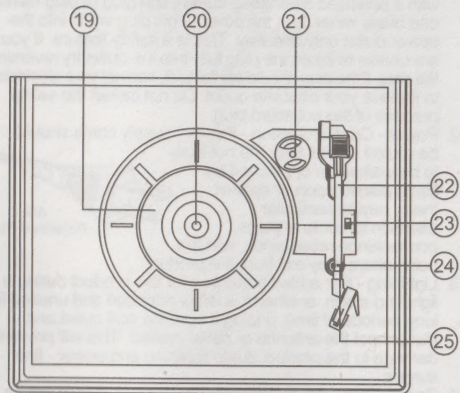
No cassette playback

- * The cassette tape is not pushed all the way in.
- * Adjust the volume knob.
- * The cassette has reached the end of the side being played. Open cassette tape door, take out tape, flip over the cassette and reinsert.

LOCATION OF PARTS

1. SPEAKER
2. LED DISPLAY
3. DIAL SCALE
4. TUNING ROTARY KNOB
5. OPEN/CLOSE BUTTON
6. STOP BUTTON
7. PLAY/PAUSE BUTTON
8. PLAY/PAUSE INDICATOR
9. PROGRAM BUTTON
10. PROGRAM INDICATOR
11. REPEAT BUTTON
12. REPEAT INDICATOR
13. B.SKIP BUTTON
14. F.SKIP BUTTON
15. CD DOOR
16. FUNCTION SWITCH
17. ON/OFF-VOLUME ROTARY KNOB
18. AM/FM BAND SWITCH
19. TURNTABLE
20. SPINDLE
21. ADAPTER FOR 45 RPM RECORDS
22. TONE ARM
23. SPEED CONTROL SWITCH (33 $\frac{1}{3}$, 45, 78 RPM)
24. ARM REST
25. SECURITY HOOK
26. EJECT/F.F. BUTTON
27. CASSETTE DOOR
28. EXTERNAL ANTENNA
29. AC POWER PLUG CORD





WARNING:

TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE. DO NOT REMOVE COVER. PILOT LAMPS SOLDERED IN PLACE. NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

CAUTION

**RISK OF ELECTRIC SHOCK
DO NOT OPEN**

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER - SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert user to the presence of important operating and maintenance (servicing) instruction in the literature accompanying the appliance.



CAUTION

For Compact Disc Units Only:

INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCK FAILED OR DEFEATED. AVOID DIRECT EXPOSURE TO LASER BEAM.

SPECIFICATION

FREQUENCY RANGE	:FM 87.5 - 108 MHz :AM 525 - 1710 KHz
POWER CONSUMPTION	:18W
POWER SOURCE	:AC 120V-60Hz
ANTENNAS	:External antenna for FM :Built-in ferrite bar for AM
SPEAKER	:4" Dynamic type x 2

- **DESIGN AND SPECIFICATION SUBJECT TO CHANGE WITHOUT NOTICE.**

"Serial No./Model No. is located on the back panel of cabinet below rating label. It is recommended for user to record and retain these numbers for future reference".